Review for Circle Test

Using the letter C, d, and , complete each statement.

1. C= 2. d= 3. =

4. In each equation state the center and radius.

a. C: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ r: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b. C: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ r: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c. C: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ r: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d. C: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ r: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. Make a drawing that shows a triangle inscribed in a circle.

6. Make a drawing that shows a triangle circumscribed about a circle.

7. Use C=d or C=2r to answer each statement. Round to the nearest hundredth if necessary.

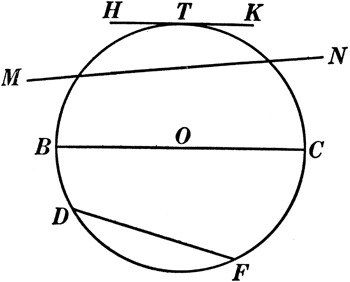
a. d=4, C=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ b. d=2, C=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c. r=4, C= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ d. r=7, C= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

e. C=51, d= \_\_\_\_\_\_\_\_\_\_\_\_ f. C=18, d= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

g. C=17, r= \_\_\_\_\_\_\_\_\_\_\_\_\_\_ h. C= 25, r= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. Identify the type of figure each part of the circle represents.



1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ b. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ d. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

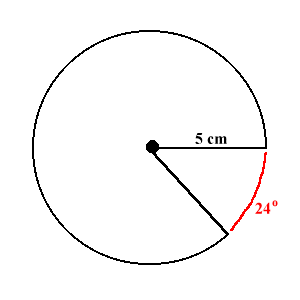
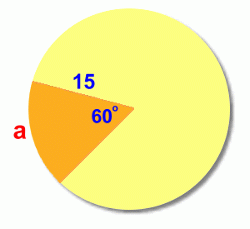
e. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ f. point O \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

g. point T \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ h. Name a minor arc \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

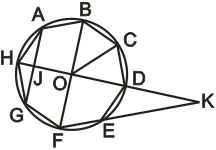
i. Name a major arc \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ j. Name a semicircle \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. Find each arc **length**. \*\*\*\* Hint: formula is at the top right of your formula sheet!!!

a. b.

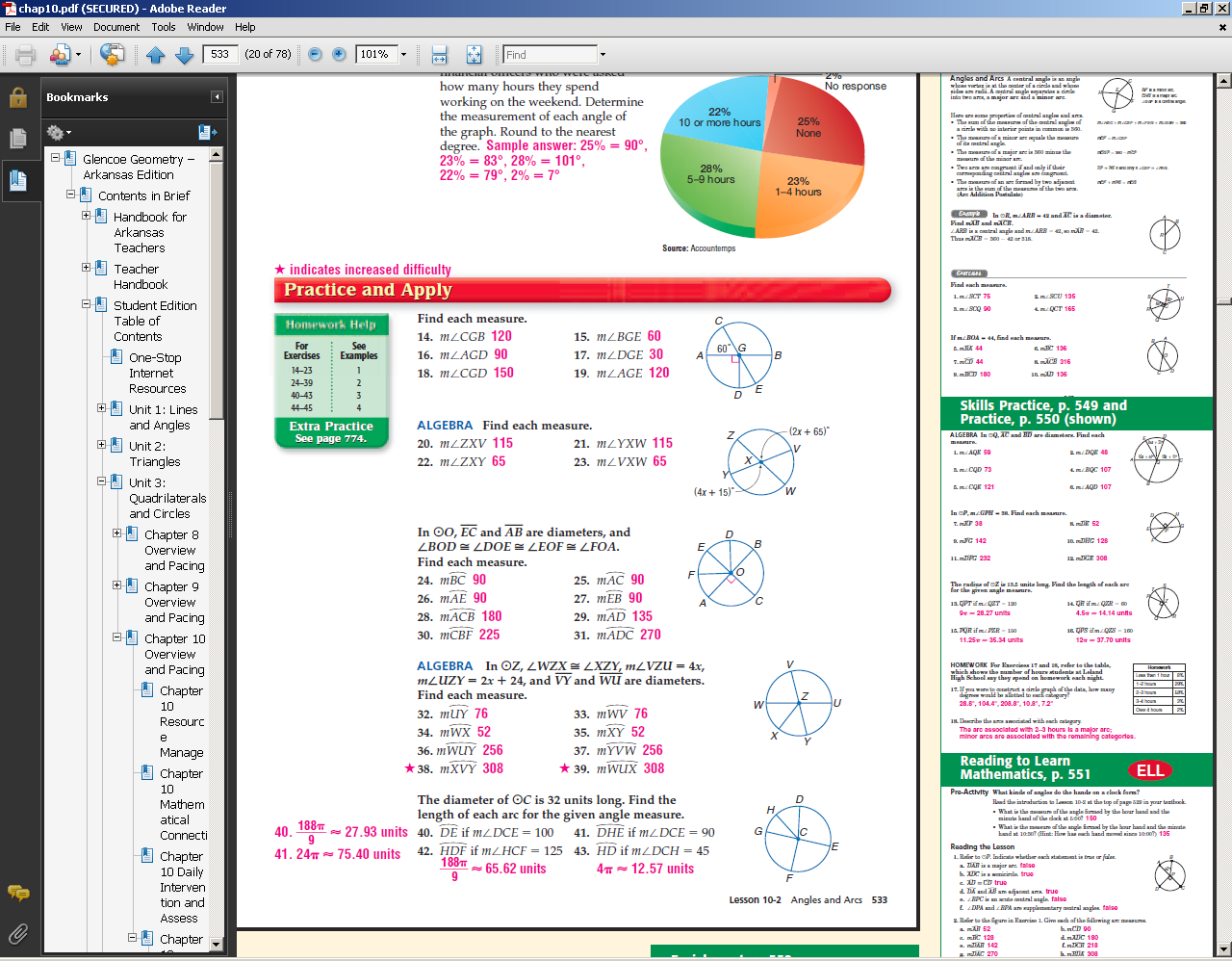
10. In the figure below, regular octagon ABCDEFGH is inscribed in Circle O. Find each measure.



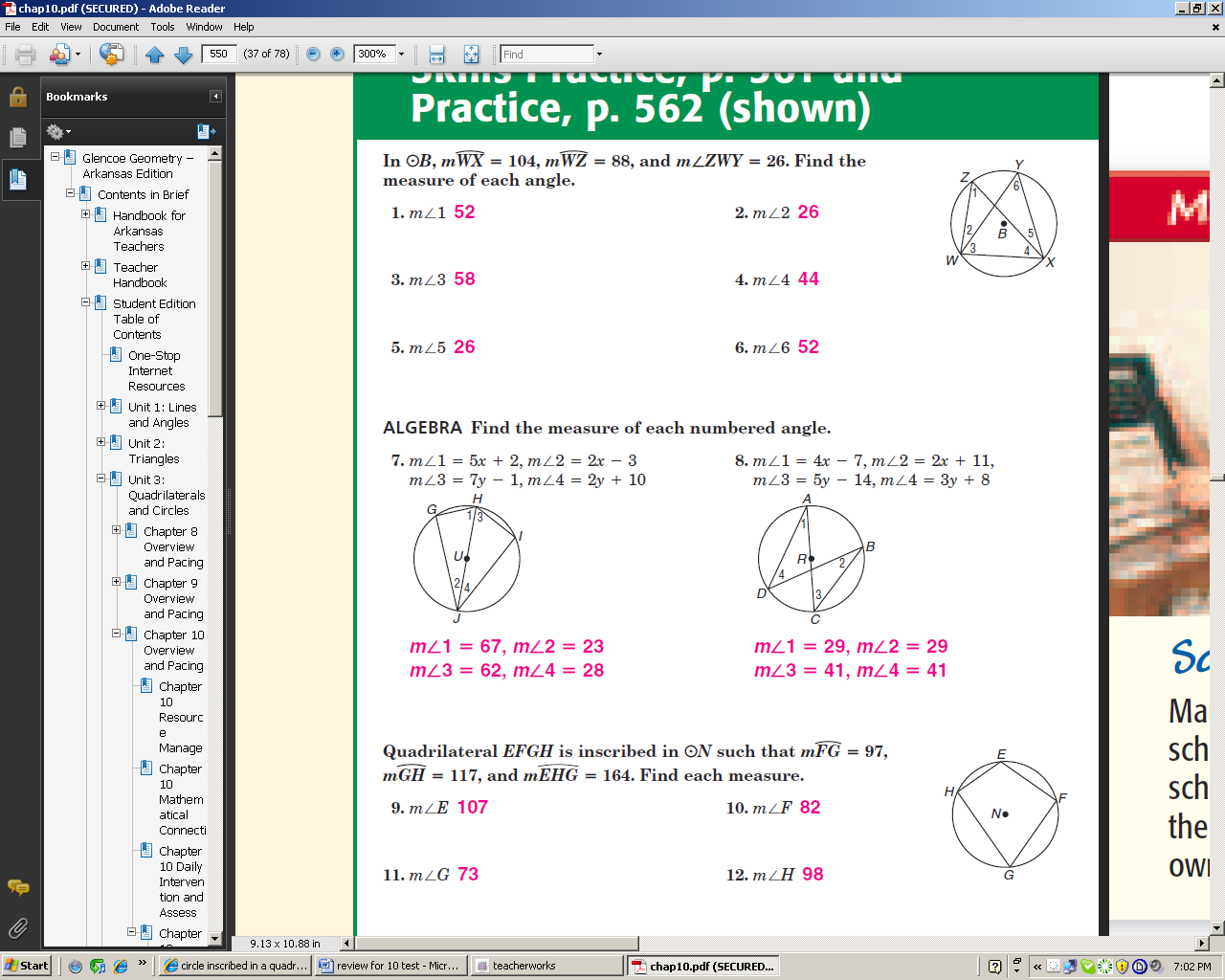
a. = \_\_\_\_\_\_\_\_\_ b. = \_\_\_\_\_\_\_\_\_\_ c. m∠BOC= \_\_\_\_\_\_\_\_

d. m∠HGA = \_\_\_\_\_\_ e. m∠BFE = \_\_\_\_\_\_\_\_\_ f. m∠DOF = \_\_\_\_\_\_\_\_

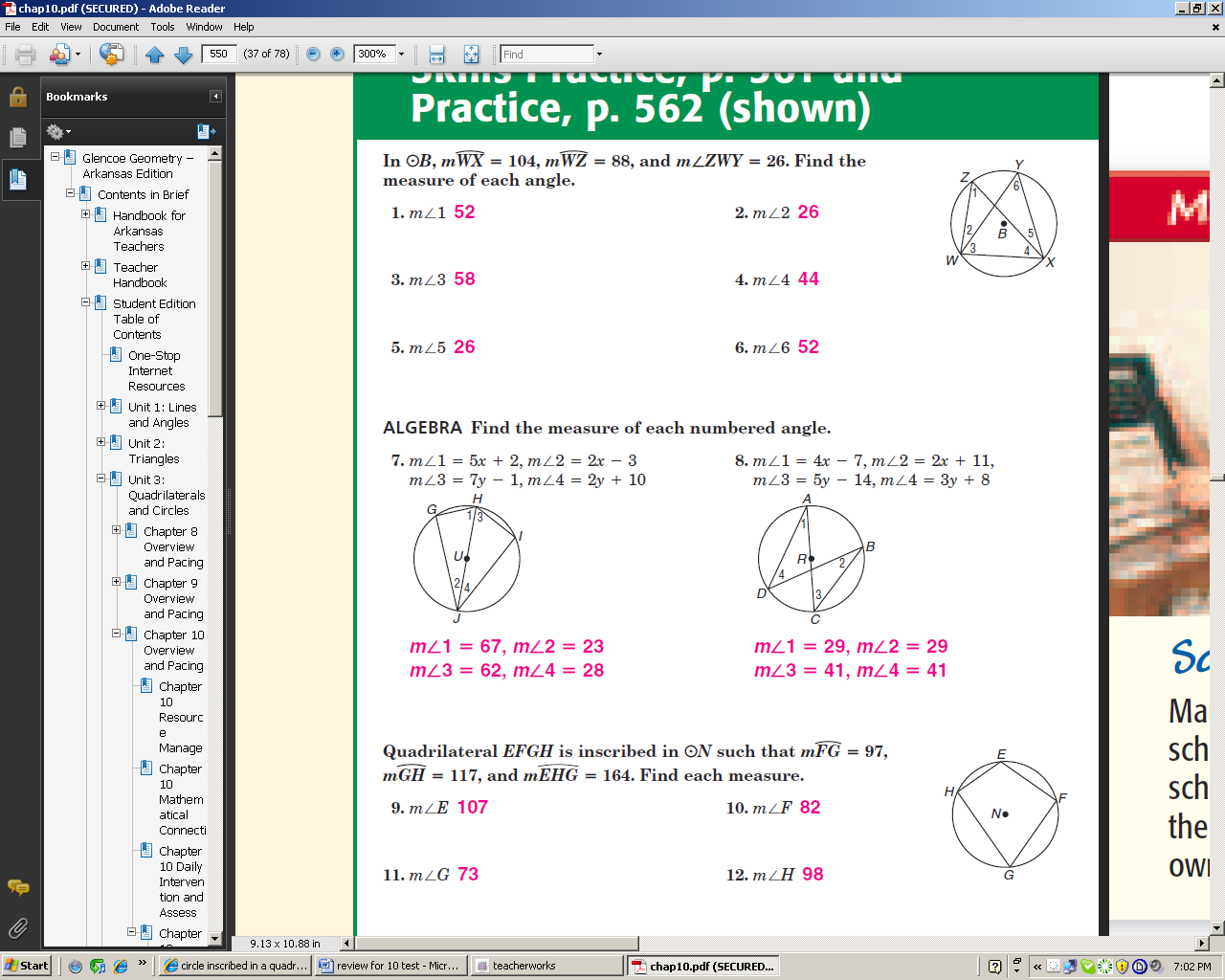
12.



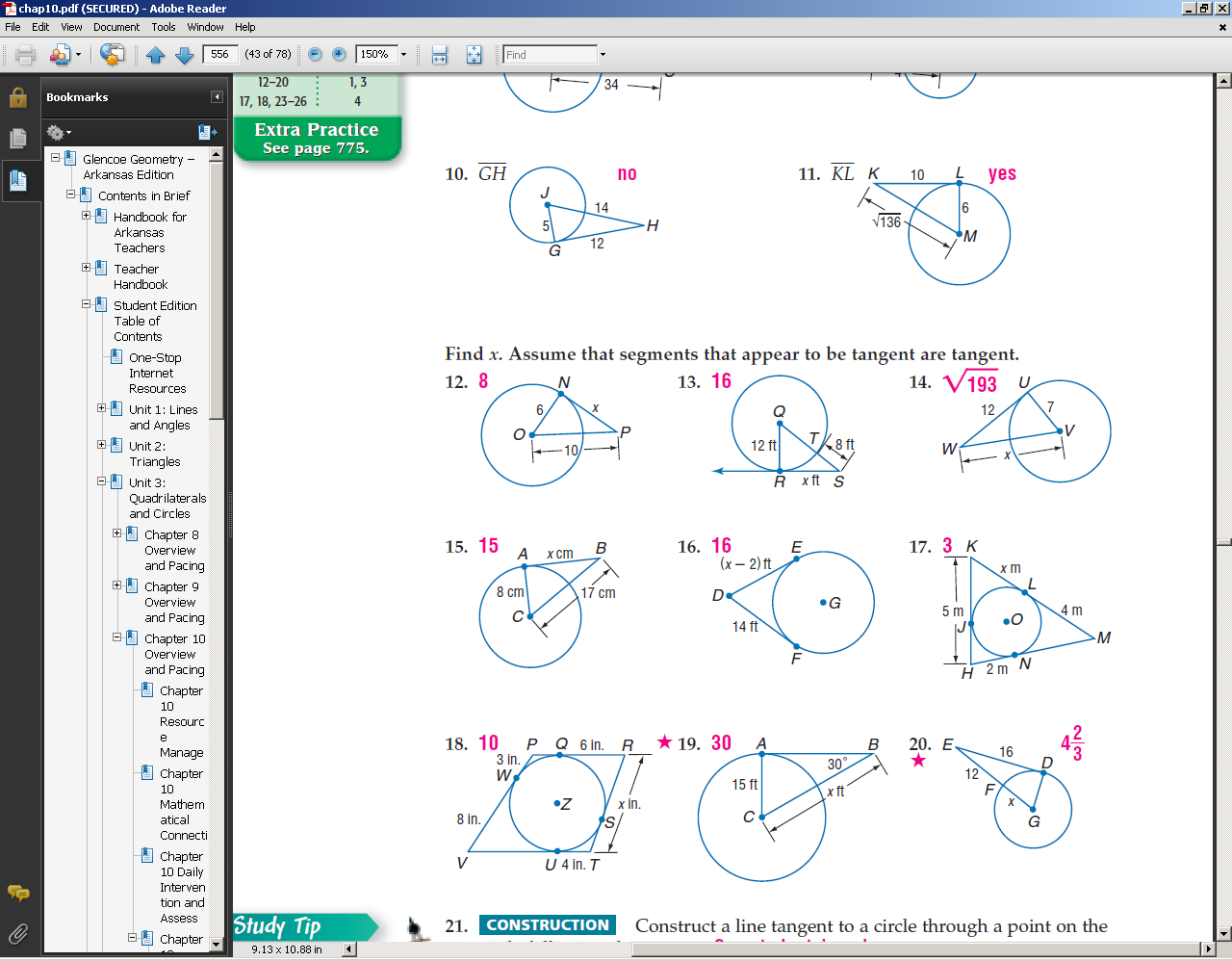
13.



14.



15. Find x.



16. Find x.

